Combine studies in civil and infrastructure engineering and business management to help you become an engineering manager, capable of providing technical and business leadership.

Civil and infrastructure engineers plan, design, construct, supervise, manage and maintain essential infrastructure in modern communities.

RMIT's civil and infrastructure engineering program is at the forefront of engineering education and meets Australian and global industry demands. Sub-disciplines include construction/project management, geotechnical, structural, transport and water resources.

The management program focuses on the roles and functions of business management. Managers deal with a range of complex issues, including wider economic and social factors. They must be flexible, able to work with others, effectively prioritise tasks and operate the financial, marketing and human resource aspects of an organisation.

Why double-up?

Many engineers quickly move into positions of management within organisations. This double degree will give you an advantage, allowing you to advance into positions of responsibility and influence. A business degree will prepare you to operate in a complex financial system – something often associated with large engineering projects.

Industry connections

This double degree program has strong links with industry and offers opportunities for project-based and work-integrated learning.

In the fourth and final years of your studies you’ll undertake major projects that are either industry-based or simulate an industrial situation. You’ll work with industry leaders using the theory and practical experience gained through the program to solve a problem.

In order to graduate from this program you must complete a minimum 12 weeks of engineering experience that allows you to gain first-hand experience in an engineering practice environment under the supervision of a professional engineer. The nature and timing of this engineering experience can take a range of forms.

Opportunities exist for an overseas work placement of between six and 12 months (this satisfies the work experience requirement). These placements are normally taken during a one-year break in the middle or at the end of the third year of the degree.

Career outlook

Graduates have a wide range of career opportunities in Australia and overseas.

There is a growing demand for engineering managers capable of providing leadership and decision-making across both technical and financial business systems. Typically, engineering managers are involved in large-scale capital investment projects as well as infrastructure policy and planning.

After gaining professional experience, graduates typically move quickly into middle and senior management or consultant positions.

The management program will prepare you for a range of additional roles, and with appropriate experience you can expect to advance to management positions in commercial, industrial and not-for-profit organisations.

Professional recognition

This program is fully accredited by Engineers Australia. Graduates of the program are eligible for graduate membership of Engineers Australia. Full membership as a professional engineer may be obtained after an appropriate period of professional practice.

Australia is one of 15 countries that are signatories to the International Engineering Alliance, also known as the Washington Accord, for professional engineers. The qualification of graduates from this degree is recognised in all countries that are signatories to the Accord.

Depending on what you study, graduates of the Bachelor of Business (Management) may be eligible for professional membership of the following bodies:

- Australian Human Resources Institute (AHRI) (employment relations specialisation)
- CPA Australia (management accounting and finance specialisation).

For local fee information: rmit.edu.au/programs/fees

Info Corner
330 Swanston Street (cnr La Trobe Street)
Melbourne VIC 3000
Tel. +61 3 9925 2260

www.rmit.edu.au/programs/bh088
### Program structure

The double degree will give you an in-depth understanding of the theory and practice of project management.

The early stages introduce you to key engineering capabilities in sustainability, problem solving, engineering analysis, teamwork, leadership and communications.

Years 3, 4 and 5 cover structures, water resources, geomechanics and transport. Over these years you can specialise and diversify.

The management program introduces core business concepts and analysis skills and encourages you to apply business theories and models. You can also take specialist courses in areas such as employment relations.

You’ll build on fundamental business theory in organisational behaviour, leadership, management and governance, ethics, microeconomics and commercial law.

Specialist study areas include:
- employment relations
- management accounting
- international business
- logistics
- supply chain management.

### Business elective examples
- Employment Relations
- Global Marketing
- Applied Entrepreneurship
- Supply Chain Analysis and Design
- Management Accounting and Business

### Civil elective examples
- Catchment Water Management
- Industrial Environment
- Long Span and High Rise Structures
- Stormwater Management

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<tr>
<th>Year</th>
<th>Engineering Practice 1 (Skills for Engineering)</th>
<th>Construction Engineering</th>
<th>Statics</th>
<th>Differential Equations for Engineers</th>
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<tr>
<td>Year 1</td>
<td>Applied Science 1 – Physics and Chemistry</td>
<td>Structural Analysis</td>
<td>Numerical Methods/Statistics for Engineers</td>
<td>Applied Science 2 – Physics and Chemistry</td>
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<td>Engineering Practice 3 – Mathematical Modelling for Engineers</td>
<td>Site Investigation Geology and Surveying</td>
<td>Concrete Structures 1</td>
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<th>Year 2</th>
<th>Steel Structures 1</th>
<th>Geotechnical Engineering 1</th>
<th>Engineering Practice 5 – Construction Management</th>
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<td>Water Engineering</td>
<td>Engineering Practice 3 – Mathematical Modelling for Engineers</td>
<td>Engineering Practice 6 - Sustainable Infrastructure Design</td>
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<td>Introduction to Management</td>
<td>Ethics and Governance</td>
<td>Infrastructure Management</td>
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<tr>
<th>Year 3</th>
<th>Transport Engineering 1</th>
<th>Organisational Analysis</th>
<th>Marketing Principles</th>
<th>Occupational Health and Safety Management</th>
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<td>Comnmercial Law</td>
<td>Analysis of Complex Structures</td>
<td>Geotechnical Engineering 2</td>
<td>Steel Structures 2</td>
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<th>Year 4</th>
<th>Research Project Part 1A</th>
<th>Research Project Part 2</th>
<th>Strategic Management</th>
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<td>Human Resource Management</td>
<td>The Entrepreneurial Process</td>
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<td>Business elective</td>
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### Compulsory courses

### Program electives

### Entrance requirements

Successful completion of an Australian Year 12 senior secondary certificate of education or equivalent.

**Prerequisites**

Current Year 12 prerequisite units 3 and 4 – a study score of 20 in Mathematical Methods (CAS) and a study score of at least 25 in any English (except EAL) or at least 30 in English (EAL).

### Additional information

Non-Year 12 applicants may submit additional information if they would like it to be considered. For semester 1 intake, this can be completed through the VTAC Personal Statement online. For semester 2 intake, this can be completed through the personal statement in the Apply Direct application.

### International opportunities

RMIT has agreements with universities in the United States, Canada, Europe and Asia on civil and infrastructure engineering student exchange programs.

Optional tours are organised to Paris to study practical applications related to sustainable cities of the future.

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This information is designed for Australian and New Zealand citizens and permanent residents of Australia.

Disclaimer: Every effort has been made to ensure the information contained in this publication is accurate and current at the date of printing. For the most up-to-date information, please refer to the RMIT University website before lodging your application. Visit [www.rmit.edu.au](http://www.rmit.edu.au).